

Appln No. 10/762,088
Amdt date May 30, 2006
Reply to Office action of January 31, 2006

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently amended) An FM-CW radar apparatus comprising: using a traveling wave antenna as a transmitting antenna, and comprising a means for varying the frequency of transmitted waves radiated from said traveling wave antenna,
wherein the projection tilt angle of a combined beam pattern of the transmitted waves is varied in upward/downward directions by varying the frequency of the projection angle of a combined beam pattern of a transmitted wave waves radiated from said traveling wave antenna.
2. (Cancelled)
3. (Currently amended) An The FM-CW radar apparatus as claimed in claim 1 [[2]], wherein said means for varying the frequency of said transmitted waves wave varies said frequency by varying a modulating voltage to be input to a voltage-controlled oscillator that outputs said transmitted waves wave.
4. (Currently amended) An The FM-CW radar apparatus as claimed in claim 1 [[2]], wherein said means for varying the frequency of said transmitted waves wave includes a means for switching a said modulating voltage to be input to a said voltage-controlled oscillator that outputs said transmitted waves wave, and wherein the frequency of said transmitted waves wave is switched between an upper band region and a lower band region by switching said modulating voltage.

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5. (Cancelled)

6. (Cancelled)